

Technical Data Sheet

ASW 8K-LT-G2 ASW 10K-LT-G2 ASW 12K-LT-G2 ASW 13K-LT-G2 ASW 15K-LT-G2 ASW 17K-LT-G2 ASW 20K-LT-G2

Input (DC)	Max PV array power	12000 Wp STC	15000 Wp STC	18000 Wp STC	19500 Wp STC	22500 Wp STC	25500 Wp STC	30000 Wp STC
	Max input voltage	1100 V						
	MPP voltage range / rated input voltage	150 V to 1000 V / 630 V						
	Min input voltage	125 V						
	Initial feed-in voltage	150 V						
	Max operating input current	26 A / 13 A	26 A / 13 A	26 A / 26 A	26 A / 26 A	26 A / 26 A	26 A / 26 A	26 A / 26 A
	Max short circuit current	40 A / 20 A	40 A / 20 A	40 A / 40 A	40 A / 40 A	40 A / 40 A	40 A / 40 A	40 A / 40 A
	Number of independent MPP inputs / strings per MPP input	2 / A:1;B:1	2 / A:1;B:1	2 / A:2;B:1	2 / A:2;B:1	2/A:2;B:1	2 / A:2;B:2	2 / A:2;B:2
Output (AC)	Rated active power	8000 W	10000 W	12000 W	13000 W	15000 W	17000 W	20000 W
	Max apparent AC power	8000 VA	10000 VA	12000 VA	13000 VA	15000 VA	17000 VA	20000 VA
	AC nominal voltage	220 V / 380 V - 230 V / 400 V - 240 V / 415 V						
	AC voltage range	160 V to 300 V						
	AC grid frequency / range	50 Hz / 45 Hz to 55 Hz – 60 Hz / 55 Hz to 65 Hz						
	Rated grid frequency / rated grid voltage	50 Hz / 230 V						
	Max output current	12.8 A	16 A	19.1 A	20.7 A	24 A	27.1 A	31.9 A
	Power factor at rated active power	1						
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited						
	Feed-in phases	3						
	Harmonic distortion (THD) at rated output	<3%						
Efficiency & Protection	Max efficiency / European efficiency	98.6 % / 98.2 %						
	DC isolator	●						
	Ground fault monitoring / grid monitoring	● / ●						
	DC reverse polarity protection / AC short circuit current capability	● / ●						
	All-pole-sensitive residual-current monitoring unit	●						
	Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I/AC: III; DC :II						
General data	Dimensions (W / H / D)	503/ 435 / 183 mm						
	Weight	17.3 kg	17.3 kg	17.3 kg	17.3 kg	17.3 kg	18.6 kg	18.6 kg
	Operating temperature range	-25°C – +60°C						
	Self-consumption (at night)	<1 W						
	Topology	Transformerless						
	Cooling concept	Active cooling						
	Degree of protection (according to IEC 60529)	IP65						
	Climatic category (according to IEC 60721-3-4)	4K4H						
	Max permissible value for relative humidity (non-condensing)	100 %						
	Max operating altitude	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m	3000 m
Features	DC connection	Phoenix contact						
	AC connection	Plug-in Connector						
	Mounting type	Wall-mount bracket						
	LED Indicators (Status / Fault / Communication)	●						
	Communication interface ^{1&2}	Wi-Fi / RS485						
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11						

● Standard features / ○ optional features / – not available

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2- DRED supported with RS485 communication for Australia, New Zealand & Pakistan

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